the microscope

1986 VOLUME 34

Editor: Walter C. McCrone

Published by
McCrone Research Institute
Chicago

The Microscope

SUBJECT INDEX

Volume 34

Abstracts of papers, 244-283
Aerial analysis, 349
Animal hair, 341
Anti-reflective surfaces, 319
Apochromatic objectives, 337
Aqueous mounting media, 211
Aroclor, 84, 195
Asbestos, 75, 92, 93, 371, 397
Asbestos counting, 161, 173
Asbestos fiber counts, 331
Asbestos Identification, 331
Asbestos mounting, 173
Asbestos monitoring, 93

Basic microscopy laboratory, 11
Bible, 380
Bibliography (Microscopy), 11

Cargille liquids, 341
Canada balsam substitutes, 187
Carbon fibers, 347
Composites, 347
Contrast microscopy, 93
Corethron castracane, 51
Critical illumination, 45, 119

Diatom Microscopy: Laboratoire d'Étude des Diatomées, 47
Diatom Microscopy: References for Diatom Study, 121
Diatom Microscopy: Mounting Media - Some Preliminary Comments, 285
Diatom Microscopy: White-Dot, Black-Dot,361
Diffraction Lines: Sights and Sounds at 250X, 63
Diffraction Lines: Tattoo Microscopy, 145
Diffraction Lines: The Microscopist as Colorist, 299
Diffraction Lines: Religio Microscopisti, 375
DIN standards, 335
Dispersion staining, 29
Dispersion staining objective, 335
Drinking water contamination by asbestos, 371
Dust examination, 397
Dynaphot, 1

Edinburgh microscope, 395
Electrically coated slides, 77
Electron microscopy, 324
Etched nuclear tracks, 319
Euparal, 161, 173, 397

Fiber counting (TEM), 373
Field Microscope, 383
Filters, 9
Fluid mounts, 215
Forensic Microscopy, 29, 207, 341

Fur hairs, 341

Hair microscopy, 341
Halloysite, 373
Hercules magnamite® fibers, 347
Hotstage, 77
Hyrax, 195

Illumination, 45
Inter/Micro-86, 243

Kofler glass powders, 84

Leeuwenhoek, 378
Library, 11
Light filters, 9

MPD-1 Russian microscope, 333
Magic tape, 397
Magnamite® fibers, 347
McArthur microscope, 383
Meltmounts, 341
Microchemical tests, 107
Microphotographs, 380
Microscope illumination, 45, 119
Microscope Review: James Swift MP 3500, 61
Microscope Review: Olympus CHA-POL microscope, 78
Microscope Review: Leitz CM POL microscope, 131
Microscope Review: Leitz "Minor-POL" microscope, 293
Microscope Review: Swift FM-31 field microscope, 383
Microscope stands, 395
Microscopist, 375
Minister Microscopists, 375
Monochromatic, 9
Mounting media, 181

Nanogram microscopy, 107
Naphrax, 197
National Asbestos Testing Laboratory Accrediting Scheme (NATLAS), 75
Nuclear tracks, 319
NATLAS, 75

One-Hundred Years Ago, 45, 119, 357

Perceptor Transformer®, 81
Permanent slides, 229
Phase contrast, 337
Photomacrography, 1, 85-91
Photomicrography, 161, 389
Plant metabolism, 329
Plant physiology, 329
Polarized light microscope, 331
Polished surfaces, 348
Polymer identification, 29
Polymer-fiber composites, 347
Poor microscopist's hot-stage, 77
Portable microscope, 313, 383
Polymerzation of mounting media, 203

Re-crystallization of ultramicro samples, 107
Reflected light microscopy, 347
Refractive index, 9
Refractive index of mounting media, 231-237
Refractive Index Media: Low refractive index, high refractive index, 192, 194
Religio Microscopisti, 375
Resolution, 361
Rotifers, 378
Russian polarized light microscope, 333

Sampling surfaces, 397
Scanning electron microscopy, 324
Scanning light photomacrography, 1
Slide mounts, 225
Solubility of ultramicro

particles, 107
Stereo photomacrography, 1
Surface studies, 316
Swift FM-31 field microscope, 383

Tattoo microscopy, 145
Trace evidence, 29
Transformer toys, 83
Transmission electron microscopy, 371
Tricks of the Trade: Fiber crossections, 26
Tricks of the Trade: Top light with the polarizing microscope, 130

Van Heurck microscope, 395

Water contamination by asbestos, 371
White-dot, black-dot, 361

The Microscope

AUTHOR INDEX

Volume 34

BOHNHOFF-HLAVACEK, GAIL, Microscopical Evaluation of Nuclear Tracks in Solids, 319

CENTIFANTO, Y. M., see R.P. Loveland, 181

DELLY, JOHN G., Microscope Review: The Leitz "Minor-POL", 293

DELLY, JOHN G., Diffraction Lines: The Microscopist as Colorist, 299

DELLY, JOHN G., Diffraction Lines: Tattoo Microscopy, 145

DELLY, JOHN G., Diffraction Lines: Sights and Sounds at 250X, 63

DELLY, JOHN G., Microscope Review: Swift FM-31 Field Microscope, 383

DELLY, JOHN G., Diffraction Lines: Religio Microscopisti, 373

DELLY, JOHN G., A Basic Microscopy Library, 11

DELLY, JOHN G., Portable Microscope for On-Site Analysis and Counting of Asbestos Fibers, 331

ELLWOOD, P.A., see T.L. Ogden, 173

ESPINOZA, E.O., see J.I. Thornton, 9

FORD, BRIAN J., A Physiological purpose for Abscission, 329

GERAKARIS, JAMES, A Second Look at Scanning Light Photomacrography, 1

GOLDBERG, OPPENHEIMER, Microscope Review: The (James) Swift MP 3500, 60

JOCK, CHRISTOPHER P., Quantitative Optical Reflectance as A Measure of Percent Fiber in Graphite Composites, 347

LOVELAND, R.P. and Y.M. Centifanto, Mounting Media for Microscopy, 181

McCRONE, WALTER C., Inter/Micro-86, 243

McCRONE, WALTER C., Solubility, Recrystallization and Microchemical Tests on Nanogram Single Particles, 107

Mc LAUGHLIN, R. B., Diatom Microscopy: White-Dot,

PENTECOST, ALLEN, Introduction to Freshwater Algae, 155

SANDHALL, AKE, and Hans Berggren, Planktonkunde, 305

SHELLEY, DAVID, Optical Mineralogy, 159

SLANSKY, MAURICE, Geology of Sedimentary Phosphates, 311

TRUEBLOOD, KENNETH N., see Jenny P. Glusker, 69

VINYARD, WILLIAM C., Diatoms of North America, 154

WATT, IAN M., The Principles and Practice of Electron Microscopy, 315